

ROME AIR DEVELOPMENT CENTER

ADDRESS REPLY TO:

COMMANDER
ROME AIR DEVELOPMENT CENTER
AIR RESEARCH & DEVELOPMENT COMMAND
ATTN: RCB
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

Air Research & Development Command

Griffiss Air Force Base

Rome, New York

28 July 1954

SUBJECT: Contract AF30(602)-1188, Eastman Kodak Company

STATINTL

TO:

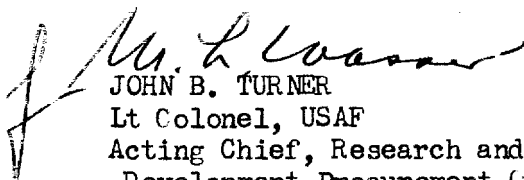


Inclosed herewith are copies of Contract AF30(602)-1188 and Exhibit "A" thereto as requested.

FOR THE COMMANDER:

2 Incls

1. Cy Contr AF30(602)-1188
2. Exh "A" dtd 14 Apr 54


JOHN B. TURNER

Lt Colonel, USAF

Acting Chief, Research and
Development Procurement Office

STATINTL Approved For Release 2002/06/13 : CIA-RDP81B00878R000800120047-5

March 29, 1956

BIWEEKLY MINICARD STATUS REPORT
THROUGH MARCH 23, 1956

<u>Equipment</u>	<u>Serial Number</u>	<u>Order</u>	<u>Status</u>
D-2 Camera	1	AF-1	Camera is in testing. Cooling fan has been added. Parts list is in preparation.
	2	AF-2	Shipment expected May 1.
	3	Kodak	Shipment expected August 1.

STATINTL

P-1 Camera 1 H Estimated completion date - June 5.

P-3 Camera 1 AF-2923 Delivery expected in February 1957.

Film Processor	1	Kodak	At Kodak Park being tested
	2	H	Delivered January 12.
	3	AF-1	Being used to make test Minicards.
	4	AF-2	Delivery expected May 1.
	5	Kodak	Delivery expected May 1.

STATINTL

Development - The new coating of film showed lack of latent image stability. It had an overcoat on the emulsion side which interfered with definition. It may be possible to use this film for cards for Magnavox if the d-min. is in the proper range. It will not be possible to use it for the AF-1 test.

STATINTL
7-10-56
By *Boyd* *EXIC*
Approved For Release 2002/06/13 : CIA-RDP81B00878R000800120047-5

March 29, 1956

BIWEEKLY MINICARD STATUS REPORT -- 2

<u>Equipment</u>	<u>Serial Number</u>	<u>Order</u>	<u>Status</u>
Film Cutter	1	AF-1	A limited amount of lubricated film has been received and cut. The suction device has been revised to remove chips successfully.
	2	AF-2	Promised for shipment March 15.
Duplicator-Mech.	4	Kodak	Promised for shipment May 31.
	1	AF-1	Code target optical alignment complete. Awaiting photographic test for final OK. Optical alignment of scanner under way. Wiring of base cabinet 50% complete.
	2	AF-2	In final assembly. Optical alignment not yet started.
	3	H	In assembly.
Duplicator Control	4	Kodak	Held up.
	The writing of a program and summary for Mode D is complete. The summary for Mode A is written. Work has started on detailed logic block diagrams. The logical package test procedures are approximately 60 percent written up. A component acceptance test is under way on Raytheon cores. Performance characteristics for plug-in packages have been completed and released. The No. 2 cabinet is painted. The No. 1 cabinet will be ready for painting March 28.		

BIWEEKLY MINICARD STATUS REPORT -- 3

March 29, 1956

<u>Equipment</u>	<u>Serial Number</u>	<u>Order</u>	<u>Status</u>
Selector Mech.	1	AF-1	Development of card transport mechanism is complete. 350,000 cards have been passed from one magazine to another without failure at the rate of 20 cards per second. The plunger actuating mechanism is being redesigned to withstand higher impact loading. A horizontal vacuum sealing window has been included at the reading station so that the scanner light traverses the window only once. Bit amplifiers have been received from Magnavox and are undergoing tests. Wiring will be complete April 10.
	2	AF-2	Some mechanical work being done when shop time is available. Bit amplifiers are being tested.
	3	Kodak	Held up.
Selector Control	1	AF-1	3C engineers coming April 2 to make minor changes mentioned in previous reports.
	2	AF-2	In manufacturing. Logical design complete.
Filing Sorter	1	AF-1	Essentially complete. Waiting for Minicards for final testing.
	2	AF-2	Ready to start scanning.
	3	H	In assembly.

Development - Studies on the window transmission problem indicate that transmission can be increased from 73 percent to 87 percent. Tests are continuing. A program is in progress to arrive at a standard of sensitivity and a time constant for cell arrays used in the Minicard code readers.

BIWEEKLY MINICARD STATUS REPORT -- 4

March 29, 1956

<u>Equipment</u>	<u>Serial Number</u>	<u>Order</u>	<u>Status</u>
D-1 Enlarger	1	AF-1	Delivery of cabinet is scheduled for May 4, 1956. The carriage, magazines and plungers have been aligned.
	2	AF-2	In assembly. 60
	3	Kodak	Held up.
P-1 Enlarger	1	H	Mechanical design has been started. Optical specification in sketch form but needs to be expanded. Specification needs revision to call tungsten illumination rather than mercury.
	2	AF-2923	Same as Serial No. 1.
Paper Processor	1	AF-1	Complete.
	2	AF-2	Quotation not yet received from Photostat.
	3	H	Same as Serial No. 2.
	4	Kodak	Held up.
	5	AF-2923	Same as Serial No. 2.
D-1 Viewer	1	AF-1	All parts in work.
	2 - 5	AF-2	In work.
	6	Kodak	Held up.

BIWEEKLY MINICARD STATUS REPORT -- 5

March 29, 1956

<u>Equipment</u>	<u>Serial Number</u>	<u>Order</u>	<u>Status</u>
P-1 Viewer	1 - 5	H	In early design stage.
I-1 Viewer	1	AF-1	Viewer is essentially complete and tested. A set of engraved punch buttons and an opening to aid in viewing the notches are to be added.
	2	AF-2	Being estimated.
	3	H	Being estimated.
	4	Kodak	Held up.
Minicard Sticks 1 1/2"	--	--	Sample made and estimated. No order placed.
Minicard Sticks 3"	--	--	Sample made and estimated. No order placed.
Transfer Trays	--	--	Parts being made.
Flexowriter	1 - 4	AF-1	Received. In test.
	5 - 8	AF-2	On order. Due March 20.

STATINTL

DEPARTMENT OF DEFENSE NEGOTIATED CONTRACT		DEPARTMENT OF THE Air Force	TRACT NO. AF 30(602)-1188
ISSUING OFFICE			
NAME Rome Air Development Center Initiator: L. Wagner, RCD Buyer: J. C. Taylor, RCECB		ADDRESS Griffiss Air Force Base Rome, New York	
CONTRACTOR			
NAME EASTMAN KODAK COMPANY		ADDRESS 343 State Street Rochester, New York	
CONTRACT FOR Minicard Information and Intelligence Data Handling System		AMOUNT Total Contract Consideration \$ 876,000.00	
APPROPRIATION AND OTHER ADMINISTRATIVE DATA			
<p>Allotment Number: 57X3600 447-3006 P660-07 S30-602</p> <p>Purchase Request No: 339794</p> <p>Expenditure Order Number: (BPSN) 54-660-1041</p> <p>APPROVED: 18 Jun 1954</p> <p>DO-A7 Certified under DMS Reg.1 by</p> <p><i>John C. Taylor</i> JOHN C. TAYLOR Contracting Officer</p> <p>/s/ Clyde H. Mitchell CLYDE H. MITCHELL Brigadier General, USAF Chief, Procurement Division</p> <p>Payments will be made by the Finance Officer, USAF, Griffiss AF Base, Rome, New York</p> <p>Administrative Office: Commander Rome Air Development Center ATTN: Research and Development Procurement Office (RCP) Griffiss Air Force Base Rome, New York</p> <p>Invoices (or Vendor's Shipping Documents used as invoices) shall be made out to the Finance Officer and mailed to the Administrative Office.</p>			
<p>This negotiated contract is entered into pursuant to the provisions of Section 2 (c) (<input type="checkbox"/>) of the Armed Services Procurement Act of 1947 (Public Law 413, 80th Congress), and any required determination and findings have been made.</p> <p>THIS CONTRACT is entered into as of <u>30 June</u>, 19<u>54</u>, and between the United States of America, hereinafter called the Government, represented by the Contracting Officer executing this contract, and <u>Eastman Kodak Company</u></p> <p>(NAME OF CONTRACTOR)</p> <p>(i) a corporation organized and existing under the laws of the State of <u>New Jersey</u></p> <p>(ii) a partnership consisting of</p> <p>(iii) an individual residing at</p> <p>hereinafter called the Contractor. The parties hereto agree that the Contractor shall furnish and deliver all the supplies and perform all the services set forth in the attached Schedule for the consideration stated therein.</p>			

SCHEDULE

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PART I - STATEMENT OF WORK (a) The Contractor shall, within the period of time specified in Part VI hereof, furnish and deliver to the Government the following services and supplies:

Item 1 - ~~Investigation and Study~~ leading to the design of an Information and Intelligence Data Handling System in accordance with Exhibit "A" consisting of "Purchase Request Continuation Sheet for: Minisard Information and Intelligence Data Handling System," dated 14 April 1954, as amended by Amendment No. 1 dated 30 April 1954, which are attached hereto and hereby made a part of this Contract.

Note: Exhibit "A" is further amended as follows:

1. The words "and design" appearing in the second line of paragraph 3.2.1 of Exhibit RADC-1695 are deleted and the words "leading to" substituted in lieu thereof.
2. The words "examination of" are inserted in the fourth line of paragraph 3.2.1 of Exhibit RADC-1695 immediately following the word "include" and before the word "handling."
3. The word "provide" appearing in the second line of paragraph 3.2.2.1 is deleted and the word "recommend" is substituted in lieu thereof.
4. The provisions of USAF Specifications No. 40146-A and Exhibit RADC 3000-B will be followed whenever possible and deviations therefrom will be permitted only to the extent that the application of commercial development prohibits strict adherence to the specifications.

Item 2 - Two (2) sets Interim Engineering Reports for Item 1 in accordance with aforesaid Exhibit "A," as amended

Item 3 - One (1) each Engineering Model, Information and Intelligence Data Handling System, in accordance with the aforesaid Exhibit "A," as amended

Item 4 - One (1) set Interim Letter Progress Reports for Items 1 and 3 in accordance with the aforesaid Exhibit "A," as amended

Item 5 - One (1) set Final Engineering Report for Items 1 and 3 in accordance with the aforesaid Exhibit "A," as amended

SCHEDULE

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Item 6 - One (1) set Reproducible Copies of Engineering Sketches, Drawings and Design Data in accordance with the aforesaid Exhibit "A," as amended

Item 7 - Seven (7) copies Handbook of Instructions for Item 3 in accordance with the aforesaid Exhibit "A," as amended

Item 8 - One (1) each List of Spare Parts in accordance with the aforesaid Exhibit "A," as amended

Item 9 - One (1) kit Interim Spare Parts in accordance with the aforesaid Exhibit "A," as amended

Note: The exact components of spare parts to be delivered under Item 9 will be determined by the Contracting Officer upon review of list of Spare Parts delivered under Item 8.

(b) Each report shall be plainly marked to indicate the existence of copyright, proprietary or patent information within the contents of the report.

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PART II - ESTIMATED COST

STATINTL

Approved For Release 2002/06/13 : CIA-RDP81B00878R000800120047-5

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STATINTL
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(a) All equipment described in Part I shall be packed in accordance with applicable specifications, and will be delivered to the Government FOB Washington, D. C. in accordance with the following schedule:

<u>ITEM</u>	<u>QUANTITY</u>	<u>DELIVERY DATE</u>
1		1 January 1956
2	One (1) set	1 January 1955
2	One (1) set	1 October 1955
3	One (1) each	1 January 1956
4	One (1) set	Monthly
5	One (1) set	1 February 1956
6	One (1) set	1 February 1956
7	seven (7) copies	1 January 1956
8	One (1) each	1 November 1955
9	One (1) kit	1 January 1956

(b) Unless otherwise provided herein all items described in Part I shall be delivered and installed in the Dissemination Control Division of the Directorate of Intelligence, Headquarters, USAF, Washington, D. C.

(c) All reports called for hereunder shall be delivered to the Government by the Contractor, at his own expense, in accordance with schedule outlined in paragraph (a) addressed to the Commander, Rome Air Development Center, Griffiss Air Force Base, Rome, New York, ATTN: RCRES-4C, marked for Contract AF30(602)-1188.

(d) Drawings, Design Data, Handbooks of Instructions, Spare Parts List, and other literature requirements not covered in (c) shall be delivered to the Government, at Contractor's expense, in accordance with schedule outlined in paragraph (a), addressed to Commander, Rome Air Development Center, Griffiss Air Force Base, Rome, New York, ATTN: RCRCB, marked for Contract AF30(602)-1188.

(e) All applications hereunder for Government bills of lading and Tax Exemption Certificates shall be made to the Commander, Rome Air Development Center, Griffiss Air Force Base, Rome, New York, ATTN: RCRCB.

PART VII -- INSPECTION

Final inspection and acceptance by the Government of all equipment to be furnished under this Contract will be made at the Dissemination Control Division of the Directorate of Intelligence, Headquarters, USAF, Washington, D. C. Final inspection and acceptance of all supplies and services to be furnished under this Contract, except equipment items, will be made at Rome Air Development Center, Rome, New York. The Contracting Officer shall have the right to require such preliminary inspection or inspections at the plant or plants of the Contractor as he shall deem necessary. Further provisions regarding inspection are contained in Clause 3 of the General Provisions.

SCHEDULE

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PART VIII - CLASSIFICATION

This Contract has a security classification of "Unclassified." Detailed classification of items of information is set forth in Security Requirements Check List, DD-254, attached hereto and hereby made a part of the Contract.

PART IX - CONTRACTUAL CONTENTS AND ALTERATIONS

(a) This Contract consists of (1) a Schedule containing Parts I through IX on pages i through vi; (2) General Provisions containing Clauses 1 through 39 on pages 1 through 22, including pages 8a and 8b; (3) Exhibit "A" consisting of Purchase Request Continuation Sheet for Minicard Information and Intelligence Data Handling System and Exhibit RADC-1695, dated 14 April 1954, as amended by respective Amendments No. 1 dated 30 April 1954; (4) Form DD 254 "Security Requirements Check List" dated 5 May 1954. The following are the General Provisions incorporated in and made a part of this Contract:

- Clause 1 - Definitions
- Clause 2 - Charges
- Clause 3 - Inspection
- Clause 4 - Reimbursement
- Clause 5 - Assignment of Claims
- Clause 6 - Delay in Performance
- Clause 7 - Disputes
- Clause 8 - Notice and Assistance Regarding Patent Infringement
- Clause 9 - Convict Labor
- Clause 10 - Eight-Hour Law of 1912
- Clause 11 - Nondiscrimination in Employment
- Clause 12 - Officials Not To Benefit
- Clause 13 - Covenant Against Contingent Fees
- Clause 14 - Termination
- Clause 15 - Notice To The Government of Labor Disputes
- Clause 16 - Reporting of Royalties
- Clause 17 - Subcontracts
- Clause 18 - Reproduction Rights
- Clause 19 - Employment of Aliens
- Clause 20 - Government Property
- Clause 21 - Guaranty
- Clause 22 - Insurance
- Clause 23 - Release Provisions
- Clause 24 - Gratuities
- Clause 25 - Renegotiation
- Clause 26 - Military Security Requirements
- Clause 27 - Additional Provisions to be Inserted in Cost-Plus-A-Fixed-Fee Subcontracts
- Clause 28 - Walsh-Healey Public Contracts Act
- Clause 29 - Neutrality Act
- Clause 30 - Buy American Act
- Clause 31 - Premium Compensation
- Clause 32 - Records
- Clause 33 - Redetermination of Overhead Rates
- Clause 34 - Option to Terminate Fixed Overhead Rates
- Clause 35 - Patent Rights - Patco Form 9-4

SCHEDULE

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Clause 36 - Copyright - Para Form 9-7
Clause 37 - Authorization and Consent - Para Form 9-10C
Clause 38 - Additional Provisions Concerning Government Property
Clause 39 - Approval

(b) The following alterations have been made in this Contract:

1. Clause 4, "Reimbursement," on page 1

The first and second sentences of paragraph (c) are deleted

2. Clause 14, "Termination," on page 3

Add the following words immediately after the last word of paragraph (b)(4):

" , in which case the Government shall have the right, in its discretion, to settle or pay any or all claims arising out of the termination of such orders and subcontracts; "

3. Clause 25, "Renegotiation," on page 8

Deleted in its entirety and new Clause 25 "Renegotiation," substituted in lieu thereof on page 8a

4. Clause 26, "Military Security Requirements," on page 8

Deleted in its entirety and new Clause 26, "Military Security Requirements," substituted in lieu thereof on page 8b.

5. Page 9, subparagraph (f) at top of page

Deleted in its entirety

6. Clause 35, "Patent Rights," pages 17 and 18

Paragraph (i) on page 18 deleted in its entirety

The rights and obligations of the parties to this contract shall be subject to and governed by the Schedule and the General Provisions. To the extent of any inconsistency between the Schedule or the General Provisions, and any specifications or other provisions which are made a part of this contract by reference or otherwise, the Schedule and the General Provisions shall control. To the extent of any inconsistency between the Schedule and the General Provisions, the Schedule shall control.

The Contractor represents that the aggregate number of employees of the Contractor and its affiliates is: ☐ 500 or more, ☐ less than 500.

IN WITNESS WHEREOF, the parties hereto have executed this contract as of the day and year first above written:

THE UNITED STATES OF AMERICA

/s/ John C. Taylor

WITNESSES

JOHN C. TAYLOR

(CONTRACTING OFFICER)

Eastman Kodak Company

(CONTRACTOR)

By /s/ C. L. Stevenson

NOTE.—In case of corporation, witnesses not required but certificate below must be completed. Type or print names under all signatures.

Assistant Treasurer

343 State Street, Rochester 4, N.Y.

(TITLE)

(ADDRESS)

NOTE.—Contractor, if a corporation, should cause the following certificate to be executed under its corporate seal, provided that the same officer shall not execute both the contract and the certificate.

CERTIFICATE

I, W. F. Shepard, certify that I am the

Assistant Secretary of the corporation named as Contractor herein;

that C. L. Stevenson, who signed this contract on behalf of

the Contractor, was then Assistant Treasurer of said corporation;

that said contract was duly signed for and in behalf of said corporation by authority of its governing body,

and is within the scope of its corporate powers.

/s/ W. F. Shepard

W. F. SHEPARD

Assistant Secretary

(CORPORATE SEAL)

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DEPARTMENT OF DEFENSE			1. DATE	2. SHEET OF SHEETS		
SECURITY REQUIREMENTS CHECK LIST			5 May 1954	1	1	
3. U.S. CONTRACT OR TASK NO. AF30(602)-2188		4. HIGHEST CLASSIFICATION INVOLVED IN THIS CONTRACT Secret		5. CONTRACTOR'S NAME Eastman Kodak Company		
7. THIS SHEET PERTAINS TO <input checked="" type="checkbox"/> AN END ITEM <input type="checkbox"/> A COMPONENT		8. CLASSIFICATION OF END ITEM OR COMPONENT (as checked in preceding item) Unclassified		9. NO. OF APPENDAGES INCLUDED 9		
10. THIS SHEET REFERS TO (Enter nomenclature, drawing reference or other adequate identification of End Item or component covered) Minicard Information and Intelligence Data Handling System						
BLOCK	CLASSIFICATION OF	TOP SECRET	SECRET	CONFIDENTIAL	RESTRICTED	UNCLASSIFIED
1	CONTRACT OR TASK DOCUMENTS					X
2	MODEL DESIGNATION, NOMENCLATURE, OR IDENTIFYING DESCRIPTION OF ITEM OR TASK					X
3	SPECIFICATIONS					X
4	DESIGN INFORMATION (Engineering notes, computations, etc.)					X
5	DRAWINGS OR SKETCHES					X
	A - COMPLETE SET					X
	B - OF GAGES					X
	C - OF TOOLING					X
	D - OF TEST EQUIPMENT					X
	E - OF INSTALLATION OR ASSEMBLY					X
	F - SKETCHES DESCRIBING PRINCIPLE INVOLVED					X
	G - OTHER					X
6	PHOTOGRAPHS					X
	A - INTERNAL, CUTAWAY OR EXPLODED VIEWS					X
	B - EXTERNAL VIEWS					X
7	PRODUCTION AND PROCUREMENT INFORMATION					X
	A - NUMBERS TO BE PRODUCED (Description)					X
	B - RATES OF DELIVERY (ITEM OR COMPONENT)					X
	C - ITEMS ON HAND (Classification of work order, stock, etc.)					X
	D - OVERALL DOLLAR OR UNIT COST					X
	E - RAW MATERIAL USAGES					X
	F - LIST OF SUB-CONTRACTORS					X
	G - SPECIALIZED MANUFACTURING TECHNIQUES					X
	H - OTHER					X
8	REPORTS (If not attached or on order)					X
	A - STATUS AND PROGRESS		X			
	B - TECHNICAL		X			
	C - OTHER (Attaching and listing)					
9	MANUALS, HANDBOOKS, ETC.					
	A - MAINTENANCE					X
	B - OPERATIONAL					X
10	PERFORMANCE INFORMATION AND TESTS					
	A - TESTS		X			
	B - TEST DATA		X			
	C - MILITARY PERFORMANCE OR OPERATIONAL CHARACTERISTICS		X			
	D - OTHER					

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ROME AIR DEVELOPMENT CENTER
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

Exhibit "A"

RES-2B/WBM/ms
14 April 1954

Purchase Request Continuation Sheet

For: Minicard Information and Intelli-
gence Data Handling System

Lab. or Office Symbol RCD

Continuation Sheet No. 1

For P. R. No. 339794

DESCRIPTION OF SUPPLIES OR SERVICES TO BE FURNISHED

ITEM	QUANTITY	DESCRIPTION
		<u>Investigation and Study leading to the design of an Information and Intelligence Data Handling System in accordance with applicable paragraphs of Exhibit RADC-1695 dated 14 April 1954, titled "Minicard Information and Intelligence Data Handling System".</u>
2	2 sets	<u>Interim Engineering Reports for Item 1 in accordance with USAF Specification No. 40146-A dated 5 November 1947 and Amendment thereto. One set shall be furnished six (6) months after commencement of work and the second report to be furnished fifteen (15) months after commencement of work under Item 1 and shall consist of one (1) copy in the "Reproducible Copy" form and 25 copies in the "Non-Reproducible Copy" form as specified in Paragraph E-7 of the Specification. This report will outline in detail functional specifications of equipment outlined in Paragraph 3.3.1 of Exhibit RADC-1695. Should the results of the study indicate the feasibility of the deletion or addition of equipments to Paragraph 3.3.1, this report will present justification for the deletion therefrom or addition thereto.</u>
3	1 each	<u>Engineering Model, Information and Intelligence Data Handling Systems, shall be fabricated in accordance with applicable paragraphs of Exhibit RADC-1695 dated 14 April 1954 titled "minicard Information and Intelligence Data Handling System".</u>
4	1 set	<u>Interim Letter Progress Reports for Items 1 and 3 shall be furnished monthly covering the progress and status of the study and development. These reports may be prepared in the form of a letter</u>

PRCS dated 14 April 1954 Information and Intelligence Data Handling System

and shall be submitted by the 20th of the month following that for which it was written. These reports shall include progress of the past month and planned activity for the following month and shall be required until the progress of the work in the judgment of the Contracting Officer or an approaching time limit indicates that the final reports shall be furnished.

- 5 1 set Final Engineering Report for Items 1 and 3 in accordance with USAF Specifications No. 40146-A, dated 5 November 1947 and Amendment thereto. The set furnished shall consist of one copy in "Reproducible Copy" form and 25 copies in "Non-Reproducible Copy" form as specified in paragraph E-7 of the Specification. The copies shall be furnished within thirty (30) days following delivery of equipment under Item 3.

NOTE: Each report shall be plainly marked to indicate the existence of copyright, proprietary, and patent information within the contents of the report.

- 6 1 set Reproducible Copies of Engineering Sketches. Drawings and Design Data used in the fabrication of Item 3. The copies shall be submitted not more than thirty (30) days after delivery of the equipment. The original drawings shall be prepared in accordance with MIL-D-9281 (USAF), and shall include all revisions resulting from inspection of the equipment. Reproducible copies shall be Direct Reading VanDyke negatives in accordance with Specification MIL-D-5480.

- 7 7 cys Handbook of Instructions for Item 3 in accordance with Type I of Exhibit RADC-3000B dated 31 March 1953.

- 8 1 each List of Spare Parts. The contractor shall furnish one reproducible list of replaceable parts which shall include all parts normally subject to replacement in the testing and evaluation of the equipment required under Item 3. Spare parts Key No. 23 dated 20 March 1953 may be used as a guide.

- 9 1 kit Interim Spare Parts shall consist of only those parts approved by the Contracting Officer after review of the list of replaceable parts.

PRCS dated 14 April 1954 for Information and Intelligence Data Handling System

required under Item 8. Spare parts shall be interchangeable with the corresponding parts used in the equipment under Item 3 and shall be delivered concurrently with Item 3.

ROME AIR DEVELOPMENT CENTER
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

RES-2B/WBM/ms

Requirements

For

MINICARD INFORMATION AND INTELLIGENCE AND DATA HANDLING SYSTEM,
INVESTIGATION, STUDY, DESIGN, AND FABRICATION OF

Exhibit RADC-1695
14 April 1954

1. SCOPE

1.1 Type - This exhibit covers the system described in preliminary reports prepared by Eastman Kodak Company dated May 1953 Revised March 1954 and November 1953, entitled "The Mini-Card System".

1.2 Phases - The program covered by this exhibit is set up in three phases, as follows:

- Phase I - System Study Phase
- Phase II - Equipment Development
- Phase III - Installation and Follow-up

Under Phase I, a thorough study will be undertaken of the Intelligence Library, Collection Division, Directorate of Intelligence, Hq USAF, and the Central Film Library, Aeronautical Chart and Information Center. This study shall determine initially the types and functional specifications of each of the individual units of equipment and the system design required in the development of an adequate Data Handling System. The study shall continue throughout Phase II and shall include the handling of other reconnaissance information in order to retain sufficient flexibility in the equipment and system to provide for future expansion.

Phase II shall be accomplished concurrent with Phase I and shall include the development of individual units of Mini-Card equipment required to handle the type of data processed by the Intelligence Library, Collection Division, Directorate of Intelligence, Hq USAF.

2. APPLICABLE SPECIFICATIONS, STANDARDS, DRAWINGS AND PUBLICATIONS

2.1 Equipment delivered under this contract shall be fabricated in accordance with good commercial practices.

3. REQUIREMENT Approved For Release 2002/06/13 : CIA-RDP81B00878R000800120047-5

Exhibit RADC-1695 dated 14 April 1954

3.1 General Requirements. - The design and fabrication of equipment to form an integrated Information and Intelligence Data Handling System. The system will be capable of handling the types of data now processed by the Intelligence Library, Collection Division, Directorate of Intelligence, Hq USAF.

A mechanized system is required that will rapidly and efficiently perform the following functions in the handling of such data: (1) classify, (2) index, (3) code, (4) file, (5) store, (6) search, (7) correlate, (8) retrieve, (9) view, (10) reproduce, (11) disseminate. This shall result in appreciable reduction in the time, personnel, and manpower requirements over the present methods being employed.

3.2 System Study Phase: Phase 1.

3.2.1 The contractor shall undertake a thorough study of the Intelligence Library and the Central Film Library and design a Mini-Card System which will handle the types of data processed by these agencies. This study shall be continuous throughout the term of the contract and shall include the handling of other reconnaissance information in order to retain sufficient flexibility in the equipment and system to provide for future expansion. Experimental work not directly related to the design of specific components but more concerned with the eventual integration of other kinds of intelligence information into the system shall not be undertaken without the prior approval of the Contracting Officer.

3.2.2 Results of Study

3.2.2.1 At the end of the six months after initiation of the contract, the contractor shall furnish a report which will provide the system design and the functional specifications for the component equipment to be delivered under Item 3.4.

3.2.2.2 Three months prior to installation of engineering model of equipment as specified under Item 3.4, a comprehensive report on the feasibility of the Mini-Card system as an ultimate information and intelligence data system shall be delivered and provide as a minimum the following information:

a. Estimated cost of operation of the Mini-Card system to handle the intelligence data of the Intelligence Library, Collection Division, Directorate of Intelligence, Hq USAF, and the Central Film Library, ACIC, for a period of (1) year.

b. Operating personnel requirements to handle the operation of engineering model delivered under Item 3.4

c. Training requirements for operating personnel.

d. Maximum card processing speed when color film is used.

e. Capability of system for the reproduction of charts, maps, and photographs in color.

f. Adapatability to field use and air transportability.

Exhibit RADC-1695 dated 14 April 1954

3.3 Equipment Phase: Phase 2.

3.3.1 Undertake the development of an engineering model of each piece of Mini-Card equipment which the study indicates will be required for the documentary system. The following list of equipment is based on the tentative system described in the preliminary report of the Eastman Kodak Company report entitled "The Mini-Card System" dated November 1953. This list of specific items shall be revised as required as the system design advances. A brief description of the individual items is as follows:

- a. Flexowriter - to prepare paper tapes for controlling the camera and enlarger.
- b. Minicard Camera - to record code and image information.
- c. Film Processor - to process minicard film.
- d. Minicard Duplicator - to make duplicate minicards.
- e. Minicard Block Sorter - to sort by category directly into a file.
- f. Minicard Automatic Sorter - for complete sorting.
- g. Minicard Selector - to search for specific code combinations.
- h. Minicard Enlarger - to make enlarged paper prints from minicard images.
- i. Minicard Viewer - to provide a visual means of inspecting minicards.

3.4 Installation and Follow-Up of an Engineering Model of an Information and Intelligence Data Handling System. A working engineering model of each piece of Mini-Card equipment will be integrated into an Information and Intelligence Data Handling System and installed in the Collection Division of the Directorate of Intelligence, Hq USAF, so that a complete pilot operation can be tested.

4. TEST PROCEDURES

4.1 Tests and Inspection. - Tests and inspection shall be performed on the Information and Intelligence Data Handling System by the contractor to determine and demonstrate compliance of the system with the overall requirements of this exhibit prior to acceptance.

4.1.1 Prior Tests by Contractor. - No equipment shall be submitted to the Government for acceptance unless it has been satisfactorily tested by the contractor in accordance with the requirements of this exhibit. At the option of the Contracting Officer, Government personnel may witness such tests.

4.1.2 Upon completion of the test at the contractor's plant, as specified in paragraph 4.1.1, a test of the engineering model will be made at the Collection Division of the Directorate of Intelligence, Hq USAF, Washington, D. C. This test will be under the direction of the Air Force with the assistance of contractor personnel.

Exhibit RADC-1695 dated 14 April 1954

4.2 Test Procedures. - Test procedures and methods for testing and inspecting the equipment shall be prepared by the contractor and submitted to the Contracting Officer for approval at least thirty (30) days prior to the anticipated date of inspection or tests. The test program prepared by the contractor shall demonstrate that the performance, operation, material, and workmanship of the equipment is in compliance with the requirements of this exhibit. i.e. The types of information now handled by the Intelligence Library, Collection Division, Hq USAF, would be processed into the Mini-Card System and studied in parallel with the existing operation.

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Purchase Request Continuation Sheet

For: Minicard Information and Intelli-
gence Data Handling System

Lab. or Office Symbol RCD

Continuation Sheet No. 2

For P.R. No. 339794

Amendment No. 1
30 April 1954

All references to "Mini-Card" shall henceforth be written "minicard".

Wherever "Collection Division" appears, it should be deleted and "Dissemination Control Division" substituted.

Reference Item 2. Delete the last 2 sentences and substitute the following:

"The 6-months report will outline in detail functional specifications of equipment outlined in paragraph 3.3.1 of Exhibit RADC-1695. Should the results of the study indicate the feasibility of the deletion or addition of equipments to paragraph 3.3.1, this report will present justification for the deletion therefrom or addition thereto. The 15-month report shall contain information outlined in paragraph 3.2.2.2 of Exhibit RADC-1695."

Reference Item 6. Delete "MIL-B-9281 (USAF)" and substitute "good commercial practices".

Delete the last sentence and substitute the following: "Reproducible copies shall be of direct reading type".

Reference Item 8. Delete Spare Parts Key No. 23 and substitute "Spare Parts Key No. 21".

Amendment No. 1 dated 30 April 1954 to Exhibit RADC-1695 dated 14 April 1954 applies to subject PRCS.

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Requirements For

MINICARD INFORMATION AND INTELLIGENCE AND DATA HANDLING SYSTEM,
INVESTIGATION, STUDY, DESIGN, AND FABRICATION OF

Exhibit RADC-1695

14 April 1954

Amendment No. 1

30 April 1954

Reference paragraph 3.1 (second paragraph). Delete "(11) Disseminate".

Reference paragraph 3.2.2.2, sub-paragraph (a) delete the sixth word "the" and substitute "a".

Delete sub-paragraph (d) in its entirety.

Delete sub-paragraph (e) and replace with the following: "Capability of system for the handling of charts, maps, and photographs in black and white, and color, including factors of resolution and time".